

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A pressure sensitive adhesive comprising:
a silicone tackifying resin;
a polydiorganosiloxane polyurea copolymer; and
a plasticizer;
wherein the silicone tackifying resin and polydiorganosiloxane polyurea copolymer are generally uniformly distributed; ~~and wherein the pressure sensitive adhesive is organic solvent-based;~~ the silicone tackifying resin is present in an amount of at least about 55 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer; and the plasticizer is present in an amount sufficient to provide a generally uniform distribution of the polydiorganosiloxane polyurea copolymer and the silicone tackifying resin.
2. (Canceled)
3. (Currently Amended) The pressure sensitive adhesive of claim ~~[[2]]~~ 1 wherein the silicone tackifying resin is present in an amount of at least about 58 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer.
4. (Original) The pressure sensitive adhesive of claim 1 wherein the plasticizer is a hydrocarbon.
5. (Original) The pressure sensitive adhesive of claim 1 wherein the plasticizer is a glycol ether, an ester, an alcohol, an ester alcohol, a ketone, an amine, or an organic substituted silicone oil.
6. (Original) The pressure sensitive adhesive of claim 1 wherein the plasticizer is an ester, an oil, an organosiloxane, or combinations thereof.

where:

each R is independently an alkyl moiety, a vinyl moiety or higher alkenyl moiety, a cycloalkyl moiety, an aryl moiety, or a fluorine-containing group;

each Z is independently a polyvalent moiety that is an arylene moiety, an aralkylene moiety, an alkylene moiety, or a cycloalkylene moiety;

each Y is independently a polyvalent moiety that independently is an alkylene moiety, an aralkylene moiety or an arylene moiety;

each E is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including Y to form a heterocycle;

each A is independently oxygen or $-N(G)-$, wherein each G is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including B to form a heterocycle;

B is an alkylene, aralkylene, cycloalkylene, phenylene, polyalkylene, polyalkylene oxide, copolymers, or mixtures thereof, or a moiety completing a ring structure including A to form a heterocycle;

m is a number that is 0 to about 1000;

n is a number that is equal to or greater than 1; and

p is a number that is about 5 or larger.

14. (Original) The pressure sensitive adhesive of claim 13 wherein at least 50% of the R moieties are methyl moieties with the balance being monovalent alkyl or substituted alkyl moieties having 1 to 12 carbon atoms, alkenylene moieties, phenyl moieties, or substituted phenyl moieties.

15. (Original) The pressure sensitive adhesive of claim 13 wherein m is a number that is 0 to about 25.

16. (Original) The pressure sensitive adhesive of claim 13 wherein n is a number that is greater than 8.

17. (Original) The pressure sensitive adhesive of claim 13 wherein p is a number that is about 70 to about 1500.

18. (Currently Amended) A pressure sensitive adhesive comprising:

a ~~silicon~~ silicone tackifying resin;

a polydiorganosiloxane polyurea copolymer; and

a plasticizer;

wherein the silicone tackifying resin and polydiorganosiloxane polyurea copolymer are generally uniformly distributed; and

wherein the silicone tackifying resin is present in an amount of at least about 55 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer, and the plasticizer is present in an amount sufficient to provide a generally uniform distribution of the polydiorganosiloxane polyurea copolymer and the silicone tackifying resin.

19. (Currently Amended) A pressure sensitive adhesive solution comprising:

a silicone tackifying resin;

a polydiorganosiloxane polyurea copolymer;

a processing aid; [[and]]

an organic solvent; and

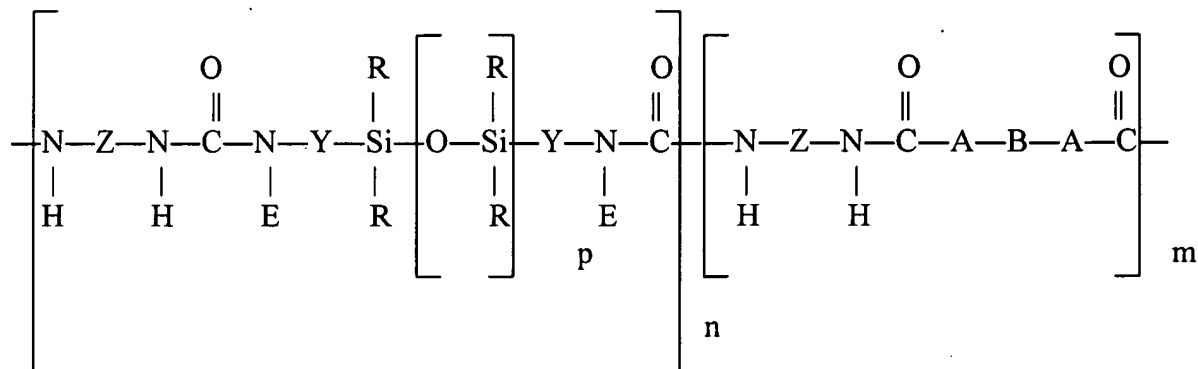
wherein the silicone tackifying resin is present in an amount of at least about 55 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer, and the processing aid is present in an amount sufficient to provide a generally uniform distribution of the polydiorganosiloxane polyurea copolymer and the silicone tackifying resin.

20. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is transient.

21. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is permanent.

22. (Canceled)
23. (Currently Amended) The pressure sensitive adhesive solution of claim ~~[[22]]~~ 19 wherein the silicone tackifying resin is present in an amount of at least about 58 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer.
24. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is a hydrocarbon.
25. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is a glycol ether, an ester, an alcohol, and ester alcohol, a ketone, an amine, or an organic substituted silicone oil.
26. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is an ester, an oil, an organosiloxane, or combinations thereof.
27. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is an antioxidant, a bacteriostatic agent, a UV light stabilizer, a UV light absorber, or combinations thereof.
28. (Original) The pressure sensitive adhesive solution of claim 19 wherein the processing aid is present in an amount of at least about 0.5 wt-%, based on the total weight of the pressure sensitive adhesive.

29. (Original) The pressure sensitive adhesive solution of claim 19 wherein the polydiorganosiloxane polyurea copolymer comprises the following repeating unit:



where:

each R is independently an alkyl moiety, a vinyl moiety or higher alkenyl moiety, a cycloalkyl moiety, an aryl moiety, or a fluorine-containing group;

each Z is independently a polyvalent moiety that is an arylene moiety, an aralkylene moiety, an alkylene moiety, or a cycloalkylene moiety;

each Y is independently a polyvalent moiety that independently is an alkylene moiety, an aralkylene moiety or an arylene moiety;

each E is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including Y to form a heterocycle;

each A is independently oxygen or $-\text{N}(\text{G})-$, wherein each G is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including B to form a heterocycle;

B is an alkylene, aralkylene, cycloalkylene, phenylene, polyalkylene, polyalkylene oxide, copolymers, or mixtures thereof, or a moiety completing a ring structure including A to form a heterocycle;

m is a number that is 0 to about 1000;

n is a number that is equal to or greater than 1; and

p is a number that is about 5 or larger.

30. (Original) An adhesive article comprising a backing and the pressure sensitive adhesive of claim 1 disposed on at least one major surface thereof.

31. (Original) The adhesive article of claim 30 which is a transfer tape.
32. (Original) An adhesive article comprising a backing and the pressure sensitive adhesive of claim 18 disposed on at least one major surface thereof.
33. (Original) The adhesive article of claim 32 which is a transfer tape.
34. (Original) An adhesive article comprising a backing and a pressure sensitive adhesive deposited from the solution of claim 19 disposed on at least one major surface thereof.
35. (Original) The adhesive articles of claim 34 which is a transfer tape.
36. (Currently Amended) A method of making a pressure sensitive adhesive comprising combining a silicone tackifying resin, a polydiorganosiloxane polyurea copolymer, and a processing aid in amounts effective to form a pressure sensitive adhesive wherein the silicone tackifying resin and polydiorganosiloxane polyurea copolymer are generally uniformly distributed, wherein the silicone tackifying resin, polydiorganosiloxane polyurea copolymer, and processing aid are combined in an organic solvent; and wherein the silicone tackifying resin is present in an amount of at least about 55 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer, and the processing aid is present in an amount sufficient to provide a generally uniform distribution of the polydiorganosiloxane polyurea copolymer and the silicone tackifying resin.
37. (Cancelled)
38. (Currently Amended) The method of claim [[37]] 36 wherein the processing aid is transient.
39. (Currently Amended) The method of claim [[37]] 36 wherein the processing aid is permanent.

40. (Original) The method of claim 36 wherein the processing aid is permanent.
41. (Original) The method of claim 36 wherein the processing aid is an antioxidant, a bacteriostatic agent, a UV light stabilizer, a UV light absorber, or combinations thereof.
42. (Previously Presented) The pressure sensitive adhesive of claim 1 wherein the plasticizer is selected to provide the pressure sensitive adhesive with an improvement in tack of at least 10% relative to an identical composition but not containing the plasticizer.
43. (Previously Presented) The pressure sensitive adhesive of claim 18 wherein the plasticizer is selected to provide the pressure sensitive adhesive with an improvement in tack of at least 10% relative to an identical composition but not containing the plasticizer.
44. (Previously Presented) The pressure sensitive adhesive of claim 19 wherein the processing aid is selected to provide the pressure sensitive adhesive with an improvement in tack of at least 10% relative to an identical composition but not containing the processing aid.
45. (Previously Presented) The method of claim 36 wherein the processing aid is selected to provide the pressure sensitive adhesive with an improvement in tack of at least 10% relative to an identical composition but not containing the processing aid.

Support for Amendments

The specification is amended at page 17 to identify a United States patent application by its serial number and filing date rather than the attorney docket number.

Claim 1 is amended to characterize the presence of the silicone tackifying resin in an amount of at least about 55 wt-%, based on the weight of the silicone tackifying resin and the polydiorganosiloxane polyurea copolymer, and to characterize the amount of plasticizer as sufficient to provide a generally uniform distribution of the polydiorganosiloxane polyurea copolymer and the silicone tackifying resin. The amount of the silicone tackifying resin is supported by canceled claim 2 and by the specification at, for example, page 1, line 29 through page 4, line 10, page 13, lines 18-29, and page 14, lines 5-25. The characterization of the amount of the plasticizer is supported by the specification at, for example, page 14, lines 5-25.

Claim 18 is amended to characterize the amount of the plasticizer and is supported by the specification at, for example, page 14, lines 5-25. Claim 18 is additionally amended to correct a typographical error in the spelling of the word "silicone."

Claims 19 and 36 are amended to characterize the amount of the silicone tackifying resin and to characterize the amount of the processing aid. The amount of the silicone tackifying resin is supported by the specification at, for example, page 1, line 29 through page 4, line 10, page 13, lines 18-29, and page 14, lines 5-25. The characterization of the amount of the processing aid is supported by the specification at, for example, page 14, lines 5-25.

Claims 2 and 22 are canceled in view of the amendments to claims 1 and 19.

Claims 3, 23, 38, and 39 are amended to change the claim dependency so the claims do not depend upon canceled claims.

No new matter is introduced by the above amendment, and entry thereof is requested. Upon entry, claims 1, 3-8, 10-21, 23-36, and 38-45 are active in this application.